

PROJECT				<b>COMPUTATION OF ELEVATIONS AND REFRACTIONS FROM RECIPROCAL OBSERVATIONS</b>  <i>(Logarithmic)</i> For use of this form, see FM 3-34.331; the proponent agency is TRADOC.			
LOCATION							
ORGANIZATION		DATE (YYYYMMDD)					
Station 1, obs.							
Station 2, obs.							
$f_1$							
$f_2$							
$f_2 - f_1$							
$\frac{1}{2}(f_2 - f_1)$							
$\frac{1}{2}(f_2 - f_1)$ in secs.							
log ditto							
T							
log s							
log $[s \tan \frac{1}{2}(f_2 - f_1)]$							
log A							
log B							
log C							
log $(h_2 - h_1)$							
$h_2 - h_1$							
$h_1$							
$h_2$							
$2 \log s$							
log $p = 9 - 2 \log s$							
p of $(h_2 - h_1)$							
$\alpha$ and mean $\phi$							
$f_1 + f_2 - 180^\circ$							
$f_1 + f_2 - 180^\circ$ in sec.							
log ditto							
log p							
colog s							
log $\frac{\sin 1''}{2} = 4.38454$							
log $(0.5 - m)$							
$(0.5 - m)$							
p of $(0.5 - m)^*$							
*Since $(0.5 - m)$ varies as $s^{-2}$ , the weight $p = \frac{s^2}{N}$ , where $N$ is constant for a set and is preferably a power of 10.							
COMPUTED BY			DATE (YYYYMMDD)		CHECKED BY		DATE (YYYYMMDD)